

Module 4 Overview

Introduction

Writing papers in a correct way is fundamental for the researchers to efficiently communicate their research results. Journal papers and conference communications have to be compliant with certain quality standards before they are published. You have probably published papers or communications in conference proceedings already, so most probably you are not a newbie. Then, you know that articles go through a peer review, and the reviewers decide whether to accept or not the paper, or send it back for revision by the authors.

Of course, the results of your work need to be sound for the scientific community. This is the *sine quae non* condition for the paper to be publised. But besides, your document has to be structured and it need to clearly communicate what you want to say.

In this module we will practice with paper writing, and we will use the results of last two homework to write a research like paper.

Learning Objectives

By completing the lesson, discussion, quiz and homework for this module, students will be able to:

- Write a paper in a structured way.
- Explain the meaning and the usefulness of each of the paper's sections.
- Self assess whether the paper meets certain standards.
Among others:
 - Explanation of the novelty compared to the state of the art.
 - Adequate detail of the theory.
 - Reproducibility of the experiments.
 - Informative discussion of the results.

Required Instructional Materials

- Slides of the lesson.

Activities

- Read the presentation slides
- Go through the first homework. It consists of choosing a topic related to paper writing, writing a reflexion regarding to the topic and commenting at least two other posts.
- Attend to the class session of the module.
- Complete second homework, which consists of writing a paper.
Please use the rubric.

Supplementary materials

The [IEEE Style Guide](#) provides all the necessary information to write a paper. It is worth to read at least its table of contents, in order to have an idea of what topics you can find there, and use it as a reference when writing a paper.

The American Psychological Association is an almost universally used reference in publication styles for a comprehensive variety of publications formats. The [American Psychological Association Style](#) website provides additional resources for correct document writing. Also, the book "Mastering APA Sryle" by American Psychological Association is available from the UNM libraries.

There are a number of books that students can read in order to improve their writing skills. Among them I recommend "On writing Well" by William Zinsser.

"Science is a quest for understanding."
--Jocelyn Bell Burnell



Jocelyn Bell Burnell

Irish astronomer. As a post-doc student, she was the first observer and co-discoverer of pulsars, though she was excluded from the 1974 Physics Nobel prize for this discovery.

Module 4 Summary

- Reading. some tips on effective paper writing
- Weekly Quiz
- Attend the class
- Complete the second homework: research paper

If you have questions about some aspect of Learn, **UNM LEARN Support** is available to troubleshoot technical problems.

Contact them 24/7 at [505-277-0857](tel:505-277-0857), [1-877-688-8817](tel:1-877-688-8817) or use the "Create a Support Ticket" link on the left Course Menu.